ASUS P5GC-MX/1333

Best Performance of All-in-one Solution MB

P5GC-MX/1333 with Intel 945GC chipset inside supports Intel dual-core CPU and features 1333MHz FSB(O.C.), PCI Express x 16, Serial ATA interface, high performance integrated graphics engine, dual-channel DDR2 memory, and HD Audio CODEC. Users can experience faster graphics performance and higher video quality today. P5GC-MX/1333 is the most affordable all in one solution platform for Intel® Core™2 Processor with Intel 945GC chipset inside.

LGA775 Intel® Core™2 Processor Ready
This motherboard supports the latest Intel® Core™2 processors in LGA775 package. With new Intel® Core™ microarchitecture technology and *1333/1066//800/533 MHz FSB, Intel® Core™2 processor is one of the most powerful and energy efficient CPU in the world.

*(1333 MHz when overclocking)

Dual-Core CPU
Enjoy the extraordinary CPU power from the latest dual-core CPU. The advanced processing technology contains two physical CPU cores with individually dedicated L2 cache to satisfy the rising demand for more powerful processing capability.

Intel® 945GC Chipset
The Intel 945GC graphics memory controller hub(GMCH) and the ICH7 I/O controller hub provide the vital interfaces for the motherboard. The GMCH features the Intel Graphics Media Accelerator 950, an integrated graphics engine for enhanced 3D, 2D, and video capabilities. The GMCH contains one 16-lane PCI Express port intended for an external PCI Express graphics card and provides the interface for processor in the 775-land package with *1333/1066/800/533MHz FSB, dual channel DDR2 at speeds of up to 667MHz.
*(1333 MHz when overclocking)

Intel Graphics Media Accelerator 950
The Intel Graphics engine has new capabilities that provide a significant increase in graphics performance. DirectX 9 hardware acceleration, 400MHz core clock, and up to 224MB of video memory all together provide a full-value, high performance graphic solution to you. Through a dual-independent display technology, different content can be displayed on each monitor or stretched across both displays for more workspace.

Dual-Channel DDR2 667
Dual-channel DDR2 technology doubles the bandwidth of your system memory and hence boost the system performance to out perform any memory existing solutions in the market.

PCI Express Architecture
PCI Express is the latest I/O interconnect technology that will replace the existing PCI. With a bus bandwidth 4 times higher than that of AGP 8X interface, PCI Express x16 bus performs much better than AGP 8X in applications such as 3D gaming.

PCI Express x1 and x4 also outperforms PCI interface with its exceptional high bandwidth. The high speed PCI Express interface creates new usages on desktop PCs e.g., Gigabit LAN, 1394b, and high-speed RAID systems.

High Definition Audio
Enjoy high-end sound system on your PC! The onboard 6-channel HD audio (High Definition Audio, previously codenamed Azalia) CODEC enables high-quality 192KHz/24-bit audio output, jack-sensing feature, retasking functions and multi-streaming technology that simultaneously sends different audio streams to different destinations. You can now talk to your partners on the headphone while playing a multi-channel network games. All of these are done on one computer.

SATA 3Gb/s
Serial ATA3.0Gb/s is the next generation ATA specification that provides scalable performance foroday and tomorrow. With up to 300MB/s data transfer rate, Serial ATA II is faster than current Parallel ATA, while providing 100% software compatibility.

Max. 8 USB 2.0 ports supports
USB 2.0 is the latest connectivity standard for next generation components and peripherals. Backwards compatible with current USB 1.1 peripherals, USB 2.0 delivers transfer speeds up to 40 times faster at 480Mb/s, for easy connectivity and ultra-fast data transfers.

EZ Flash
EZ Flash is a user-friendly BIOS update utility. Simply press the pre-defined hotkey to launch this tool and update BIOS from a floppy disk before entering the OS.

CrashFree BIOS 2
The CrashFree BIOS2 feature now includes the BIOS auto-recovery function in a support CD. Users can reboot their system through the support CD when a bootable disk is not available, and go through the simple BIOS auto-recovery process. ASUS motherboards now enable users to enjoy this protection feature without the need to pay for an optional ROM.

MyLogo
ASUS MyLogo personalizes and adds style to your system with customizable boot logos

Q-Fan
Constant, high-pitched noise generated from heatsink fans are a thing of the past thanks to ASUS Q-Fan. This motherboard with Q-Fan technology intelligently adjusts fan speeds according to system loading to ensure quiet, cool and efficient operation

Compliance with the RoHS Directive
The motherboard and its packaging comply with the European Union´s Restriction on the use of Hazardous Substances (RoHS). This is in line with the ASUS vision of creating environment-friendly and recyclable products and packaging to safeguard consumers´ health while minimizing the impact on the environment.

Specification

CPU	LGA775 socket for Intel® Core™2 Duo / Pentium® D / Pentium® 4 / Celeron® D Processors Compatible with Intel® 05B/05A/06 processors Intel® Hyper-Threading Technology ready * Refer to www.asus.com for Intel CPU support list
Chipset	Intel® 945GC(A2) / ICH7
Front Side Bus	*1333 / 1066 / 800 / 533 MHz (*1333 MHz when overclocking)
Memory	2 x DIMM, max. 4GB, DDR2 667/533 MHz, non-ECC, un-buffered memory Dual channel memory architecture * Refer to www.asus.com or user manual for Memory QVL (Qualify Vendor List)
Expansion Slots	1 x PCI-E x16 @16 1 x PCI-E x1 2 x PCI 2.2

VGA	Intel Graphics Media Accelerator 950 Max. resolution:2048x1536@75Hz Max. Vertical Refresh Rate:85Hz@ up to 1920x1440
Storage	Southbridge: - 1 x UltraDMA 100/66/33 - 4 x Serial ATA 3Gb/s
LAN	PCIe 10/100M LAN controller
Audio	Realtek ALC883, 6-CH High-Definition Audio CODEC
USB	8 x USB2.0 ports (4 ports at mid-board, 4 ports at back panel)
Special Features	ASUS CrashFree BIOS 2 ASUS Q-Fan ASUS EZ Flash ASUS MyLogo
Back Panel I/O Ports	1 x PS/2 Keyboard 1 x PS/2 Mouse 1 x VGA 1 x Serial port 1 x Parallel port 1 x LAN (RJ45) port 4 x USB 2.0 6 Channel Audio I/O
Internal I/O Connectors	2 x USB connectors support additional 4 USB ports 1 x Floppy disk drive connector 1 x IDE connector 4 x SATA connectors 1 x CPU/ Chassis Fan connector Front panel High Definition audio connector 1 x S/PDIF Out connector Chassis Intrusion connector CD audio in 24-pin ATX Power connector 4-pin ATX 12V Power connector System Panel
BIOS	4 Mb Flash ROM, AMI BIOS, PnP, DMI2.0, WfM2.0, SM BIOS 2.3
Manageability	WfM 2.0, DMI 2.0, WOL by PME, WOR by PME
O/S Compatibility	Windows Vista/XP/2000
Accessories	1 x UltraDMA 100/66 cable 1 x Floppy disk drive cable 1 x SATA cable 1 x SATA Power cable I/O Shield User's manual
Support Disc	Drivers ASUS PC Probe II ASUS Update Anti-virus software
Form Factor	uATX Form Factor, 9.6"x 7.4" (24.5cm x 18.8cm)